Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2017-11-06-05** **Date: 10-11-17**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to roads & drains at Anjjaneya Temple area Abbigere in ward No.12 in Shettyhalli sub division.

Agency : Technical Manager(West), KRIDL, Project Implementation unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block Rajajinagar, Bangalore-560 010.

Customer's Reference : BBMP/EE/DD/WO/118/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 06-11-17

Sample ID No : 2017-11-06-05/03

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 07-11-17

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	82	82	8.2	91.8	90-100	90-100	90-100	95-100
3	2.36 mm	133	215	21.5	78.5	60-95	75-100	85-100	95-100
4	1.18 mm	179	394	39.4	60.6	30-70	55-90	75-100	90-100
5	600 micron	186	580	58.0	42.0	15-34	35-59	60-79	80-100
6	300 micron	173	753	75.3	24.7	5-20	8-30	12-40	15-50
7	150 micron	156	909	90.9	9.1	0-10	0-10	0-10	0-15
8	Pan	91	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

AE-12

ನಮ್ಮಂತೆ ಕಾರ್ಯನಿರ್ವಹಿಸಿದ ಅಭಿಯಂತರರು
ಕಟ್ಟಡಕ್ಕೆ ಉಪಯೋಗಿಸಿ, ಮಾನವರಿಗೆ ಮತ್ತು
ಸಮಾಜಕ್ಕೆ ಒಂದಷ್ಟು ಸಹಾಯವಾಗಲಿ ಎಂಬ

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2017-11-06-05** **Date: 10-11-17**

Sample ID No : 2017-11-06-05/03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	0.21	–
2	Specific Gravity	1.58	–
3	Material finer than 75 micron(%)	7.7	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
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Quality Manager

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2017-11-06-05** **Date: 08-11-17**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads & drains at Anjjaneya Temple area Abbigere in ward No.12 in Shettyhalli sub division.
Agency	:	Technical Manager(West), KRIDL, Project Implementation unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block Rajajinagar, Bangalore-560 010.
Customer's Reference	:	BBMP/EE/DD/WO/118/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	06-11-17
Sample ID No	:	2017-11-06-05/04
Sample Type	:	Indus
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	07-11-17

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Indus	Fe500	8	0.392	542	658	20.0%	Satisfactory	Satisfactory
2	Indus	Fe500	10	0.615	568	677	20.0%	Satisfactory	Satisfactory
3	Indus	Fe500	12	0.887	575	689	19.0%	Satisfactory	Satisfactory

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2017-11-06-05** **Date: 10-11-17**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads & drains at Anjjaneya Temple area Abbigere in ward No.12 in Shettyhalli sub division.
Agency	:	Technical Manager(West), KRIDL, Project Implementation unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block Rajajinagar, Bangalore-560 010.
Customer's Reference	:	BBMP/EE/DD/WO/118/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	06-11-17
Sample ID No	:	2017-11-06-05/05
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	06/11/2017

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.51	100.48	1.216	4477	91.2	20.4	18.9	23.7
2	Cover Slab-2	75.49	100.52	1.222	4475	95.3	21.3	19.8	24.8
3	Cover Slab-3	75.50	100.51	1.218	4476	91.9	20.5	19.1	23.9

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ಎಚ್.ಎಂ. ರಸ್ತೆ, ರಮೇಶ್ವರಂ, ಬೆಂಗಳೂರು

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-11-18-03** **Date: 21/11/2017**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to roads & drains at Anjjaneya Temple area Abbigere in ward No.12 in Shettyhalli sub division.

Agency : Technical Manager(West), KRIDL, Project Implementation unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block Rajajinagar, Bangalore-560 010.

Customer's Reference : BBMP/EE/DD/WO/118/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-11-17

Sample ID No : 2017-11-18-03/01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/11/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	14/11/2017	21/11/2017	150.11 X 150.14 X 150.19	22538	8.314	396.7	17.6	17.2
2	Drain Concrete	M20	14/11/2017	21/11/2017	150.22 X 150.25 X 150.29	22571	8.389	379.2	16.8	
3	Drain Concrete	M20	14/11/2017	21/11/2017	150.19 X 150.21 X 150.22	22560	8.352	390.3	17.3	

Note:

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ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-11-18-03** **Date: 12/12/2017**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to roads & drains at Anjjaneya Temple area Abbigere in ward No.12 in Shettyhalli sub division.

Agency : Technical Manager(West), KRIDL, Project Implementation unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block Rajajinagar, Bangalore-560 010.

Customer's Reference : BBMP/EE/DD/WO/118/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-11-17

Sample ID No : 2017-11-18-03/02

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/12/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	14/11/2017	12/12/2017	150.17 X 150.21 X 150.23	22557	8.326	498.5	22.1	22.2
2	Drain Concrete	M20	14/11/2017	12/12/2017	150.22 X 150.18 X 150.20	22560	8.344	491.8	21.8	
3	Drain Concrete	M20	14/11/2017	12/12/2017	150.23 X 150.22 X 150.19	22568	8.312	512.3	22.7	

Note:

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